

NOTES ON THE GENUS *ANAEA* (LEPIDOPTERA: NYMPHALIDAE)
COLLECTED IN THE SANTA MARTA MOUNTAINS,
COLOMBIA, SOUTH AMERICA

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11—13—5, Kita-andô, Shizuoka-shi, Shizuoka-ken

The genus *Anaea* is distributed in the tropical and subtropical regions of Central and South America. Comstock (1961) subdivided this genus into 8 subgenera, such as *Coenophlebia*, *Siderone*, *Zaretis*, *Hypna*, *Anaea*, *Memphis*, *Consul* and *Polygrapha*, and recognized 121 species.

The author reports here the data and some notes on 5 species of the genus *Anaea*, which were collected and observed in the Santa Marta Mountains, the Sierra Nevada de Santa Marta, the Magdalena department, northern Colombia, by the 1st Scientific Expedition of Shizuoka University to the Colombian Andes, 1967. The classification of those species is due to Comstock (1961).

The author thanks the late Mr. Tarô Iwase and Dr. Kôroku Negishi for offering him conveniences of investigating literature, and also Dr. Ryûichi Tsuchi and Mr. Takeshi Sugimoto for helping him through the butterfly survey in the expedition.

1. *Anaea* (*Hypna*) *clytemnestra clytemnestra* Cramer

This species is distributed from Mexico to the southern part of Brasil, being subdivided into 7 subspecies. The subspecies *clytemnestra* has been found in Nicaragua, Panama, Colombia, Ecuador, Peru, Bolivia, Guiana and Brasil. In Colombia, hitherto known from Santa Marta (Magdalena), Río Opon (Santander) and Leticia (Amazonas).

The subspecies *clytemnestra* includes 2 seasonal forms, called the acute apex form and the blunt apex form. All the 10 specimens collected in the expedition belong to the latter form.

This butterfly was observed flying gently 1—2 m in height above the ground without gliding, sometimes resting on a leaf with its wings closed. The male genitalia are shown in fig. 11.

3♂♂, El Mico—El Limón (900—1,100 m), Sept. 5, M. Takahashi; 1♂, 6♀♀, same locality, Sept. 6, M. Takahashi.

2. *Anaea* (*Consul*) *fabi* Cramer

This species is distributed from México to Brasil including many geographical variations. In Colombia, hitherto known from Cauca Valley (Antioquia), Bogotá and Mocoa (Putumayo).

Only one female collected by the expedition belongs to the form *cecrops*, which was captured while flying gently above the underbush in the tropical rain forest like a butterfly of the Ithomiinae (Danaiidae).

1♀, San Isidro de la Sierra (500 m), Río Piedras, Aug. 23, M. Takahashi.

3. *Anaea* (*Memphis*) *nessus* Latreille

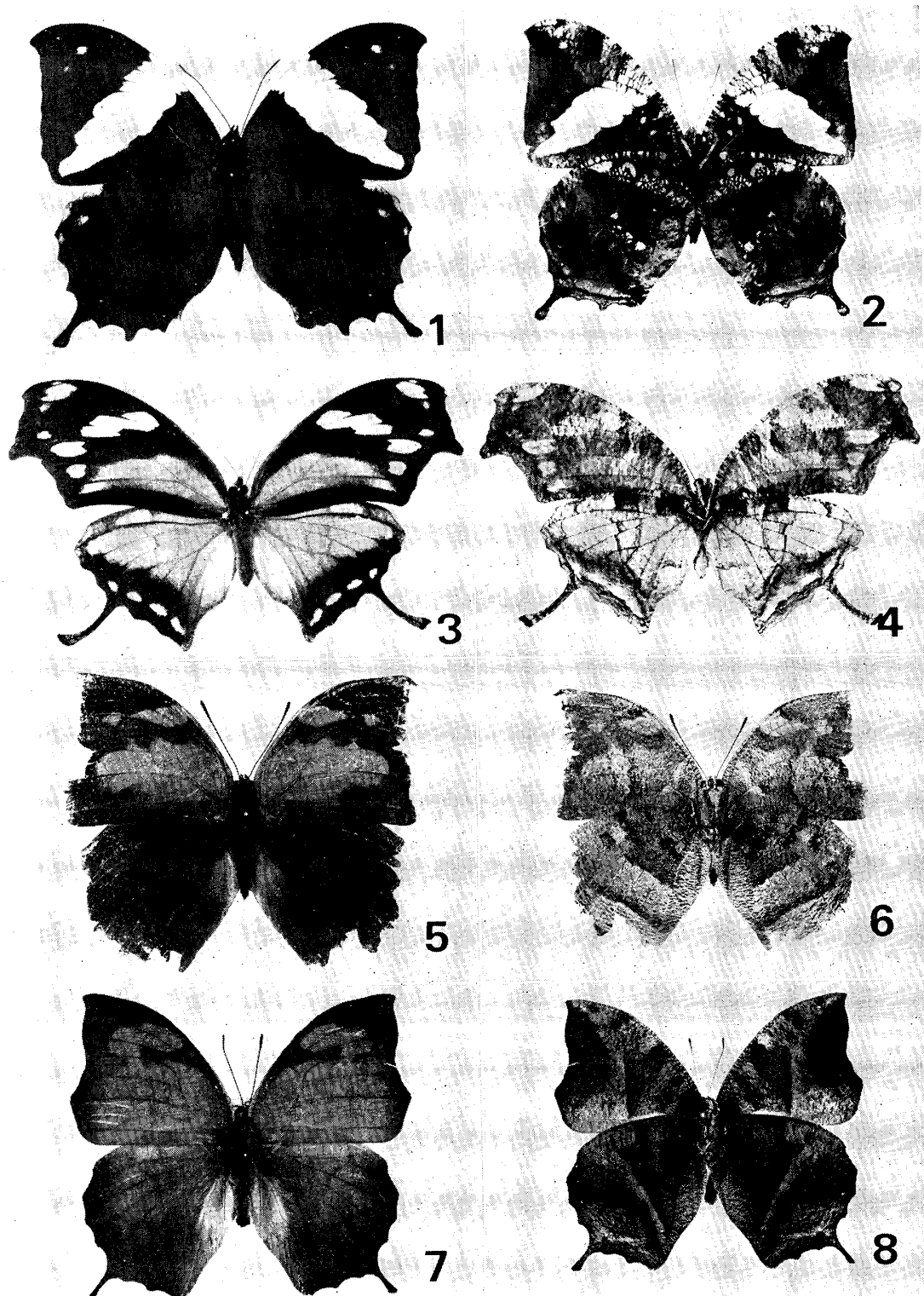
This species has been found in Colombia, Venezuela, Ecuador, Peru and Bolivia. In Colombia, hitherto known from Cordillera de Bogotá.

Only one male was collected in the expedition, which was captured on the dead body of an armadillo with its wings closed.

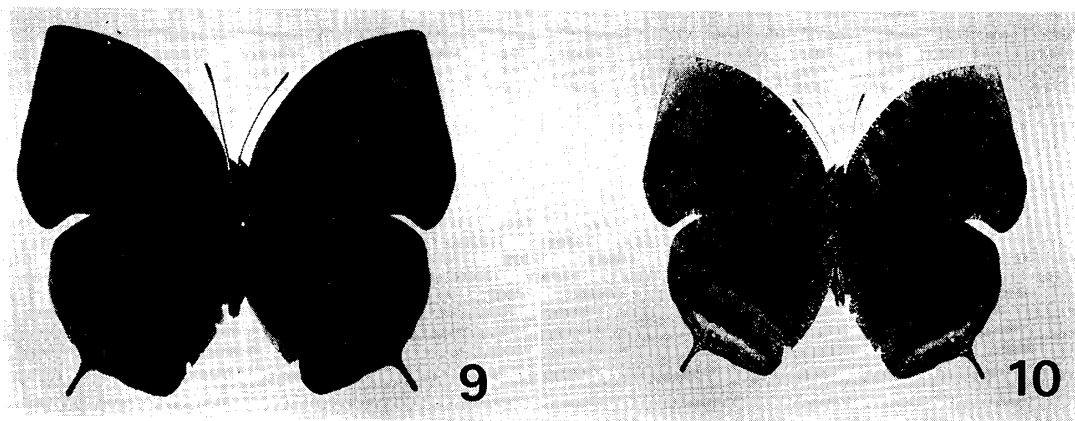
1♂, San Lorenzo (1,600 m), July 15, M. Takahashi.

4. *Anaea* (*Memphis*) *glycerium* Doubleday

This species is distributed in Mexico, Nicaragua, Costa Rica, Panama, Colombia, Venezuela, Guiana and



Figs. 1—10. *Anaea* spp.: (1) *Anaea (Hypna) clytemnestra clytemnestra* Cramer ♀, El Mico—El Limón, Sept. 6, FL (forewing length) 43.6 mm; (2) ditto, ♂, underside, same locality, Sept. 5, FL 41.2 mm; (3) *A. (Consul) fabius* Cramer ♀, San Isidro de la Sierra, Aug. 23, FL 45.9 mm; (4) ditto, underside; (5) *A. (Memphis) nessus* Latreille ♂, San Lorenzo, July 15, FL 36.8 mm; (6) ditto, underside; (7) *A. (M.) glycerium* Doubleday ♂, El Mico—El Limón, Sept. 5, FL 35.8 mm; (8) ditto, underside.



Figs. 9—10. *Anaea* (*Memphis*) *chareonea indigotica* Salvin: (9) ♂, El Mico—El Limón, Sept. 6, FL 36.6 mm; (10) ditto, underside.

Bolivia. In Colombia, hitherto known from Minoa (Magdalena), Valle de Cauca (Antioquia), Cartago (Caldas), Cocorná (Antioquia), Muzo (Boyacá) and upper Río Negro (Vaupés).

Only one male was collected in the expedition, which was captured while visiting a fermented mango.

1♂, El Mico—El Limón (900—1,100 m), Sept. 5, M. Takahashi.

5. *Anaea* (*Memphis*) *chareonea indigotica* Salvin

This species is distributed from Costa Rica to Colombia, and subdivided into 2 subspecies, such as *chareonea* and *indigotica*. According to Comstock (1961), the latter was found in Costa Rica and Panama, not in Colombia.

The specimen collected by the expedition belongs to the subspecies *indigotica*. The fact suggests that the northern part of Colombia is included in the range of that subspecies.

Only one male was captured while sucking juice of an animal excrement with its wings closed. This butterfly was observed flying rapidly without gliding and being considerably sensitive.

1♂, El Mico—El Limón (900—1,100 m), Sept. 6, M. Takahashi.

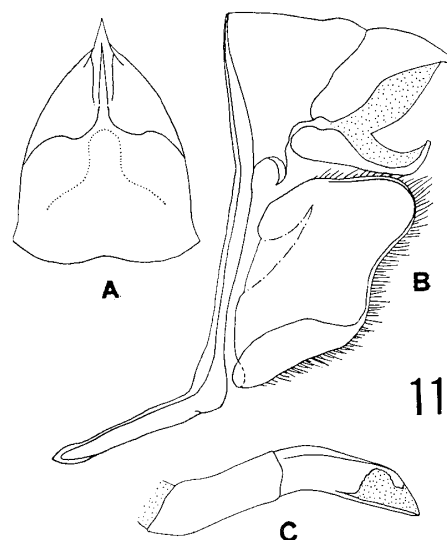


Fig. 11. *Anaea* (*Hypna*) *clytemnestra clytemnestra* Cramer, male genitalia: (A) dorsal aspect of tegumen; (B) lateral aspect; (C) phallus.

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Resumen

Se publican los datos con unas notas de 5 especies del género *Anaea*, Nymphalidae, coleccionadas en Sierra Nevada de Santa Marta, el Departamento del Magdalena, Colombia, América del Sur, por la Expedición Científica a los Andes Colombianos de la Universidad de Shizuoka, 1967. Estas especies son *Anaea (Hypna) clytemnestra* Cramer, *A. (Consul) fabius* Cramer, *A. (Memphis) nessus* Latreille, *A. (M.) glycerium* Doubleday y *A. (M.) chaeronea indigotica* Salvin. La mayoría de estas mariposas fue coleccionada alrededor del bosque húmedo subtropical de esta región.

要 約

南米コロンビアのサンタ・マルタ山群において、第1次静岡大学コロンビア・アンデス学術調査隊によって採集されたキノハタテハ属 *Anaea* 5種の記録を報告した。これらの種はおもに亜熱帯の森林周辺から発見され、なかでも *Anaea (Memphis) chaeronea indigotica* Salvin はコロンビア最初の記録と思われる。